The Scorpion® Plus™ 15″

The Peavey Scorpion® Plus™ 15″ loudspeaker was designed to high level professional requirements, which is sound reinforcement, public address, and low frequency musical instrument application. Thirty percent Kevlar® tone provides extreme rigidity to maintain a rigid pistonic performance at high drive levels. The addition of Kevlar to the cone material also improves mechanical damping, which improves fidelity and lowers distortion at high drive levels also.

The Scorpion Plus' unique suspension design further contributes to the high reliability in very low distortion by allowing very long excursions with associated low distortion. The large spoke die cast, aluminum frame, and field replaceable cone assembly are features usually found in ultra premium transducers such as the Peavey Black Widow® Series.

The Scorpion Plus 15″ Kevlar impregnated cone loudspeaker is another example of the versatility and reliability sound in all Peavey products.

Kevlar® is a registered trademark of DuPont Company

SPECIFICATIONS

Diameter - 15 inches
Nominal Impedance - 8 ohms / 4 ohms
Power Handling Capacity -
Continuous 200 watts
Program* 400 watts
Sensitivity - 101 dB (8 ohms) / 100 (4 ohms)
Voice Coil Diameter - 2.5 inches
Flux Density - 13000 Gauss
Depth - $5^{7}/_{8}$ inches
Net Weight - 12¾ lbs.

THIELE / SMALL PARAMETERS

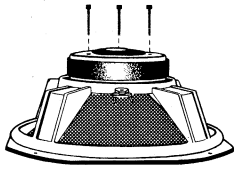
	8 ohms	4 ohms
F_S	45 Hz	45 Hz
R_E	5.6 ohms	3.1 ohms
Q_{TS}	.38	.54
V_{AS}	3.6 ft³	4.6 ft³
V_D	22.1 in³ (362 ml)	22.1 in³ (362 ml)
Efficiency (half space)	3.4%	2.1%
S_D (diaphragm area)	103 in²	103 in³

* This specification requires a minimum of 3 dB of amplifier headroom.

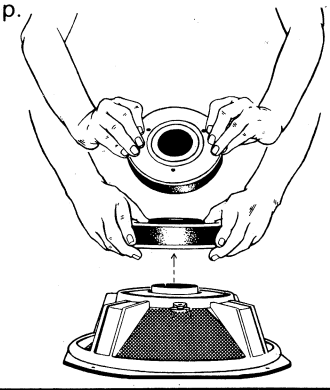
BASKET ASSEMBLY REPLACEMENT

Prior to replacement procedure, clean work area of all metal objects and other debris.

With the speaker lying face down, remove the three screws on the back of the magnet structure.

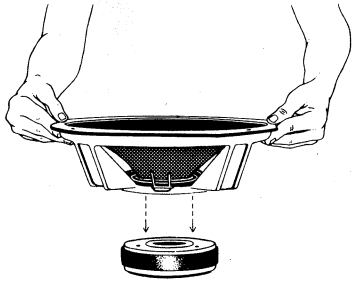


When the three screws are removed, carefully lift the magnet structure vertically from the basket assembly and flip structure over with the gap up.

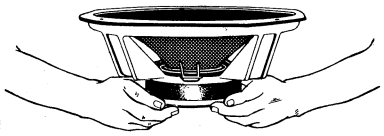


Clean the voice coil "gap" to remove any foreign matter. Fold a strip of masking tape into a small triangle with the adhesive side out for this procedure.

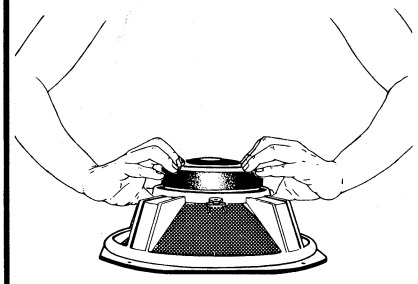
Place the magnet structure on a flat surface with the "gap" facing upward and carefully lower the new basket assembly onto the magnet structure. Use extreme care in order to avoid damaging the voice coil.



Firmly grasp both the basket assembly and the magnet structure with both hands and carefully turn the entire assembly over on its face.



With the speaker face down, replace the three screws and tighten.



PEAVEY TRANSDUCER WARRANTY

Peavey Transducers are warranted to the original purchaser to be free from defects in workmanship and materials for one year after initial purchase date. This warranty is contingent upon proper use of the transducer and does not warrant suitability for any single application or location. Transducers that have been abused in any fashion, modified or tampered with, are not covered under this warranty. Warranty status shall be determined by Peavey Electronics Corp. upon inspection of inoperative unit at the factory.

Transducers that are returned for warranty service **must** be sent **prepaid** to the factory for inspection and/or service. A **copy** of the sales receipt on the original purchase of the Transducer, along with a description of the problem, must be **enclosed** with the returned unit. Please be sure to include your return address.

This warranty applies only to those Transducers manufactured by Peavey Electronics Corporation.

Features and specifications subject to change without notice.

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